

Serial No.: 10/527,274
Examiner: Amy R. Hsu
Reply to Office Action Mailed June 20, 2007
Page 2 of 8

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently amended) An image sensor module comprising:
 - a case;
 - a photoelectric converter positioned within the case and having a light receiving surface;
 - a first optical unit provided within the case and forming an image of a subject on the light receiving surface of the photoelectric converter, the first optical unit providing a first light path; and
 - a second optical unit provided within the case and forming an image of the subject on the light receiving surface of the photoelectric converter, the second optical unit providing a second light path different from the first light path, the second optical unit being optically separate from the first optical unit for preventing light passing along the second light path from passing along the first light path, [[:]]wherein switching is possible between imaging of the subject using the first optical unit and imaging of the subject using the second optical unit;
wherein the first and second optical units include a first lens unit and a second lens unit, respectively, the second light path from the second lens unit to a second position where the image of the subject is formed is longer than the first light path from the first lens unit to a first position where the image of the subject is formed; and
wherein the photoelectric converter comprises an image sensor chip, and the image sensor chip is movable to the first and second positions.
2. (Canceled)

Serial No.: 10/527,274
Examiner: Amy R. Hsu
Reply to Office Action Mailed June 20, 2007
Page 3 of 8

3. (Original) An image sensor module according to Claim 1, wherein the first optical unit is employed for standard imaging, and the second optical unit is employed for standard imaging with a narrower view angle during imaging than the first optical unit, or for telescopic imaging.
4. (Canceled)
5. (Currently amended) An image sensor module according to Claim 1 [[4]], further comprising a substrate on which the image sensor chip is mounted, and an operating mechanism for moving the substrate relative to the case to bring the image sensor chip to the first and second positions.
6. (Original) An image sensor module according to Claim 5, wherein the operating mechanism includes a cover attached to the substrate and enclosing the image sensor chip, and a guide provided on the case for slidably guiding the cover.
7. (Currently amended) An image sensor module according to Claim 1 [[4]], further comprising an optical filter passing only light of a specific wavelength range proceeding to the image sensor chip, wherein the optical filter is movable together with the image sensor chip.
- 8-9. (Canceled)
10. (Currently amended) An image sensor module according to Claim 1 [[2]], wherein the first optical unit has an optical axis extending linearly through the first lens unit to the first position, and the second optical unit has a bent optical axis extending through the second lens unit to the second position.
11. (Original) An image sensor module according to Claim 10, wherein the second optical unit includes light-reflecting means for reflecting light an even number of times.

Serial No.: 10/527,274
Examiner: Amy R. Hsu
Reply to Office Action Mailed June 20, 2007
Page 4 of 8

12. (Currently amended) An image sensor module ~~according to Claim 11,~~
comprising:

a case;

a photoelectric converter positioned within the case and having a light receiving surface;

a first optical unit provided within the case and forming an image of a subject on the light receiving surface of the photoelectric converter, the first optical unit providing a first light path; and

a second optical unit provided within the case and forming an image of the subject on the light receiving surface of the photoelectric converter, the second optical unit providing a second light path different from the first light path, the second optical unit being optically separate from the first optical unit for preventing light passing along the second light path from passing along the first light path.

wherein switching is possible between imaging of the subject using the first optical unit and imaging of the subject using the second optical unit;

wherein the first and second optical units include a first lens unit and a second lens unit, respectively, the second light path from the second lens unit to a second position where the image of the subject is formed is longer than the first light path from the first lens unit to a first position where the image of the subject is formed;

wherein the first optical unit has an optical axis extending linearly through the first lens unit to the first position, and the second optical unit has a bent optical axis extending through the second lens unit to the second position;

wherein the second optical unit includes light-reflecting means for reflecting light an even number of times; and

wherein the light reflecting means has a first light reflecting surface for causing light proceeding in a first direction from a front side of the subject towards the case to be reflected in a second direction intersecting the first direction, and a second light reflecting surface for causing light from the first light receiving surface to be reflected in the first direction towards the second position.

Serial No.: 10/527,274
Examiner: Amy R. Hsu
Reply to Office Action Mailed June 20, 2007
Page 5 of 8

13. (Original) An image sensor module according to Claim 12, wherein the light-reflecting means includes a transparent member having a plurality of surfaces, two of the plurality of surfaces serving as the first and second light reflecting surfaces, the first and second light reflecting surfaces providing total reflection of light proceeding from the subject.

14. (Currently amended) An image sensor module according to Claim 12 ~~[[11]]~~, wherein the light-reflecting means includes a plurality of mirrors.

15. (Original) An image sensor module according to Claim 12, wherein the first and second optical units mutually overlap in the second direction.

16. (Currently amended) An image sensor module according to Claim 1 ~~[[2]]~~, wherein the second lens unit has fewer lenses than the first lens unit.

17. (Currently amended) An image sensor module according to Claim 1 ~~[[2]]~~, wherein each of the first and second optical units has a light incident side provided with an aperture, and the aperture of the second optical unit has a larger opening than that of the first optical unit.

18. (Currently amended) An image sensor module according to Claim 1 ~~[[2]]~~, wherein at least one of the first and second lens units is positionally adjustable in the optical axis direction.

19. (Currently amended) An image sensor module according to Claim 1 ~~[[2]]~~, wherein the second position is closer to the first position than it is to an incident optical axis of the second optical unit.

20. (Currently amended) An image sensor module according to Claim 1 ~~[[2]]~~, wherein an incident optical axis of the second optical unit is closer to the first position than it is to the second position.

Serial No.: 10/527,274
Examiner: Amy R. Hsu
Reply to Office Action Mailed June 20, 2007
Page 6 of 8

21. (Previously presented) An image sensor module according to Claim 1, further comprising a third optical unit provided in the case and having a third optical path different from the first and second optical paths for forming an image of the subject on the light receiving surface of the photoelectric converter, wherein switching to imaging of the subject using the third optical unit is possible in addition to imaging of the subject using the first and second optical units.

22. (Original) An image sensor module according to Claim 21, wherein the photoelectric converter comprises an image sensor chip, and the image sensor chip is movable to positions where images of the subject are formed in the first through third optical units.

23. (Original) An image sensor module according to Claim 21, wherein the photoelectric converter comprises first through third image sensor chips provided in corresponding relationship to the first through third optical units.

24. (Canceled)